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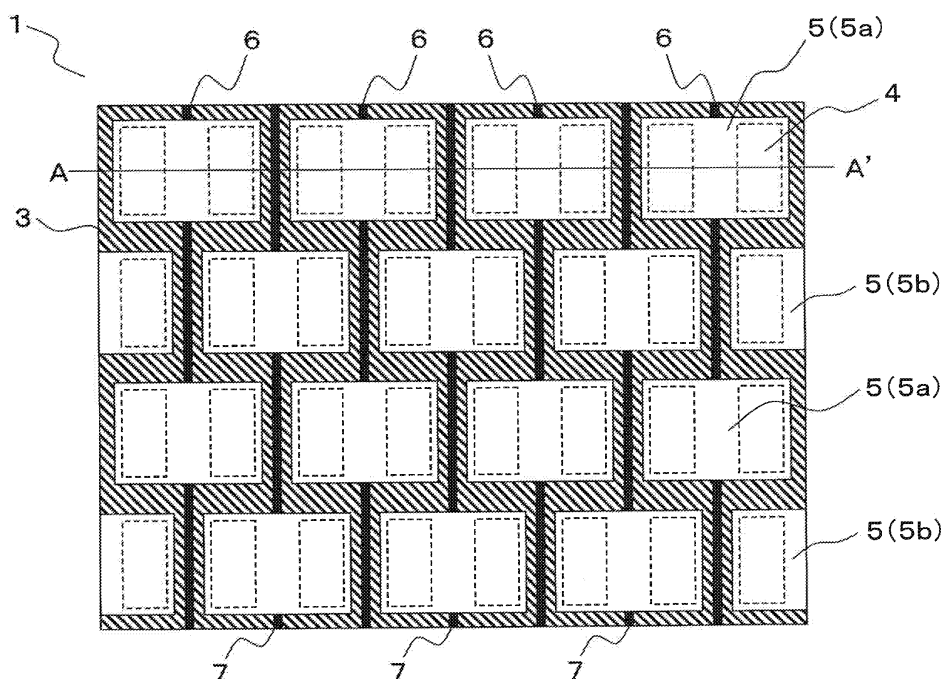
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(54) **Light-emitting substrate and image display apparatus**

(57) A light-emitting substrate according to the present invention comprises a substrate, a plurality of light-emitting members (4) disposed on the substrate, and a plurality of metal backs (5) two-dimensionally arranged, the plurality of metal backs covering the plurality of light-emitting members. The metal backs in even-numbered rows and the metal backs in odd-numbered rows are disposed out of alignment with each other in a row direction, and the metal backs in even-numbered rows and in a same column are connected with one another by a first resistor (6), and the metal backs in odd-numbered rows and in a same column are connected with one another by a second resistor (7).

bered rows and the metal backs in odd-numbered rows are disposed out of alignment with each other in a row direction, and the metal backs in even-numbered rows and in a same column are connected with one another by a first resistor (6), and the metal backs in odd-numbered rows and in a same column are connected with one another by a second resistor (7).

FIG. 1





EUROPEAN SEARCH REPORT

Application Number
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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	EP 1 830 380 A1 (TOSHIBA KK [JP]) 5 September 2007 (2007-09-05) * abstract; figures 3,4 *	1-6	INV. H01J29/96 H01J31/12
X	US 2008/174231 A1 (TAKAHASHI MASANORI [JP] ET AL) 24 July 2008 (2008-07-24) * paragraph [0009]; figures 3,11 *	1-6	
A	WO 96/00977 A1 (PHILIPS ELECTRONICS NV [NL]; PHILIPS NORDEN AB [SE]) 11 January 1996 (1996-01-11) * page 4, line 18; figure 10 * * page 8, line 10 - line 12 *	1-6	
A	US 2006/073757 A1 (HOFFMANN JAMES J [US] ET AL) 6 April 2006 (2006-04-06) * figure 9 *	1-6	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			H01J
Place of search		Date of completion of the search	Examiner
Munich		12 November 2010	Flierl, Patrik
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 09 17 8531

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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12-11-2010

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1830380 A1	05-09-2007	JP 2006185614 A	13-07-2006
		WO 2006068074 A1	29-06-2006
		US 2007241660 A1	18-10-2007
US 2008174231 A1	24-07-2008	JP 2008159449 A	10-07-2008
WO 9600977 A1	11-01-1996	EP 0717878 A1	26-06-1996
		JP 9503095 T	25-03-1997
		US 5801485 A	01-09-1998
US 2006073757 A1	06-04-2006	NONE	